

# Cylindrical heaters, type S

Galvatherm®

Models adapted to all classical tank configurations and offering a large exchange surface in a minimum bulk.

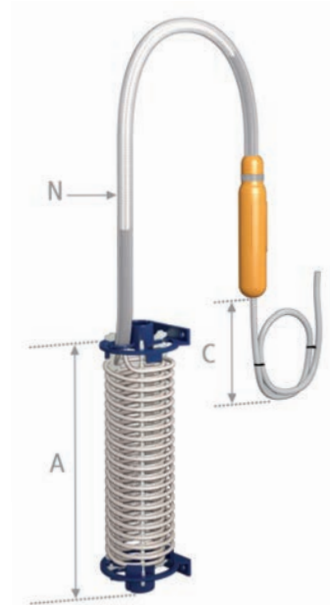
Installation on the side or at the bottom

The Galvatherm heaters are specially designed with a cable that only heats the part that is to be continually immersed.

The cable is composed of a heating resistance insulated with thermal and electric components on which is co-extruded a Teflon® sheath insuring a reliable chemical resistance..

The cable is rolled up according dimensions & shapes proposed and held with PVDF or PP strips which ensure the right distance between the rolls.

Electric safety : the Galvatherm heater complies with protection class 1 of EN 60519-1/2. The cable is screened throughout the entire length by a copper earthing strip. The earthing must be connected to the earth. In order to provide maximum safety, a fault-current (FI) protection device (30mA) should be used.



Assembly type convenient for immersion heaters with diameter 85 mm and 120 mm

A = heating part

Structure materials in PP or PVDF

## Options and Accessories

The Galvatherm heater is only planned to heat liquids.

### Extra length of cables



**Electrical connecting cable C** of type H05 VV-F (PVC) or H07 RN-F (Neopren)

**Non heating cable N** to go out of the tank

### Feet for type S



**Standard height 35 mm**  
For installation at the bottom of the tank  
For C85 et C12 models

Ref in PP : PICPP  
Ref in PVDF : PICPF

### Removable guard



**Perforated plastic guard** in PP only  
For C85 and C12 models

Ref : PRCPP

### Cable-gland Ø75 mm



Allow between 200 to 300 mm extra on the H length (H=installation height on N)

Ref in PP : PEPP  
Ref in PVDF : PEPF



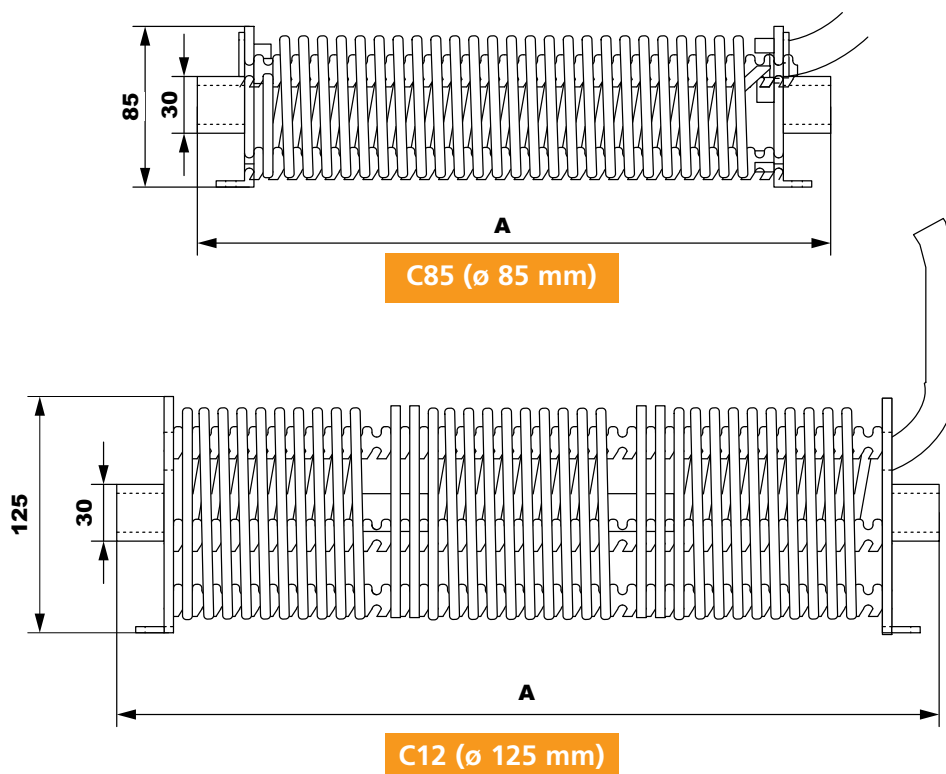
# Cylindrical heaters, type S

Galvatherm®

Single-phase					Three-phases				
kW	ØD	A	230V		kW	ØD	A	230V	400V
<b>M O N T A G E S</b>									
<b>0.5 kW</b>	sg-ph	85	185	C85052	<b>1.5 kW</b>	3-ph	85	465	C85154 C85155
<b>1 kW</b>	sg-ph	85	280	C85102	<b>3 kW</b>	3-ph	85	775	C85304 C85305
<b>1.5 kW</b>	sg-ph	85	330	C85152	<b>4.5 kW</b>	3-ph	85	920	C85454 C85455
<b>2 kW</b>	sg-ph	85	410	C85202	<b>4.5 kW</b>	3-ph	125	590	C12454 C12455
<b>3 kW</b>	sg-ph	85	640	C85302	<b>6 kW</b>	3-ph	85	1160	C85604 C85605
<b>4 kW</b>	sg-ph	85	750	C85402	<b>6 kW</b>	3-ph	125	740	C12604 C12605
<b>5 kW</b>	sg-ph	85	860	C85502	<b>9 kW</b>	3-ph	125	1160	C12904 C12905
<b>6 kW</b>	sg-ph	85	1160	C85602	<b>12 kW</b>	3-ph	125	1340	C12124 C12125
<b>6 kW</b>	sg-ph	125	740	C12602	<b>15 kW</b>	3-ph	125	1540	C12134 C12135

ØD = outside diameter  
 A = overall length of the heating part  
 All dimensions are given ± 10 mm

**Other voltages available :** • 110V single-phase : from 0.5 kW to 2 kW • 460V single-phase : from 1 kW to 6 kW • 460V three-phases : from 3 kW to 15 kW • Standard cable coating in FEP single layer. Other coatings, please contact us for the choice. For the construction of the reference, see following page.



## Construction of the reference number

C85	00	05	2	0	F	0	0	S	1
diametre code	dim. code	power code	voltage code	0	cable code	N length code	C length code	assembly code	materials code
C85 = 85 mm C12 = 125 mm	00	05 = 0.5 kW 10 = 1 kW 15 = 1.5 kW 20 = 2 kW 30 = 3 kW 40 = 4 kW 45 = 4.5 kW 50 = 5 kW 60 = 6 kW 90 = 9 kW 12 = 12 kW 13 = 15 kW	1 = 110V M 2= 230V M 3= 460V M 4 = 230V T 5= 400V T 6= 460V T	0	F G P D	0 = 1m 1 = 1,5m 2 = 2 m 3 = 2,5m 4 = 3m 5 = 3,5m 6 = 4m 7 = 4,5m 8 = 5m 9 = sup.5m	0 = 1m 1 = 1,5m 2 = 2 m 3 = 2,5m 4 = 3m 5 = 3,5m 6 = 4m 7 = 4,5m 8 = 5m 9 = sup.5m	S	1 2

### Cable code details

- F = FEP single layer 1 W/cm<sup>2</sup>
- G = FEP double layer 1 W/cm<sup>2</sup>
- P = PFA single layer 1 W/cm<sup>2</sup>
- D = PFA double layer 1 W/cm<sup>2</sup>

### Assembly code details

S = flexible

### Support materials code

code	strips	other pieces
1 =	PVDF	PVDF
2 =	PP	PP

